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OM protein - protein search, using sw model

Run on: May 19, 2003, 16:43:42 ; Search time 19.8719 Seconds
(without alignments)
553.754 Million cell updates/sec

Title: US-09-625-573-2

Perfect score: 19/0

Sequence: 1 MLSTSRSRFIRNTNESGEVV.....GKGSIGRAPEASLQDKEGGA 374

Scoring table: BILOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:
1: /cgn1_6/pidodata/1/1aa/5A-COMB.pep:
2: /cgn2_6/pidodata/1/1aa/5B-COMB.pep:
3: /cgn2_6/pidodata/1/1aa/6A-COMB.pep:
4: /cgn2_6/pidodata/1/1aa/6B-COMB.pep:
5: /cgn2_6/pidodata/1/1aa/PECTUS_COMB.pep:
6: /cgn2_6/pidodata/1/1aa/backfile1.esi.pep:
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No. Score Query Description

Result No.	Score	Query	Match Length	DB ID	Description
1	1970	100.0	374	1	US-08-450-393A-2
2	1970	100.0	374	4	US-08-446-669-2
3	1970	100.0	374	5	PCT-US95-00476-2
4	1823	92.5	344	3	US-08-434D-9
5	1651.5	83.8	360	1	US-08-450-393A-4
6	1651.5	83.8	360	4	US-08-446-689-4
7	1651.5	83.8	360	7	US-08-450-393A-5
8	1651.5	83.8	360	4	US-09-334-185-50
9	1651.5	83.8	360	5	PCT-US95-00476-4
10	1651.5	83.5	360	7	US-08-333-732-7
11	1614.5	82.0	360	4	US-09-045-583-51
12	1614.5	82.0	360	4	US-09-534-185-51
13	1589.5	80.7	360	4	US-09-045-583-50
14	1236	62.7	352	4	US-09-517-605-5
15	1234	62.6	354	4	US-08-724-984A-2
16	1230	62.4	352	4	US-09-045-583-52
17	1230	62.4	352	4	US-09-534-185-52
18	1224	62.1	352	4	US-09-087-237A-13
19	1224	62.1	352	4	US-09-861-105-14
20	1224	62.1	352	4	US-08-575-967A-2
21	1224	62.1	352	4	US-08-813-752-5
22	1215	61.7	352	3	US-08-466-343D-2
23	967.5	49.1	355	1	US-08-012-988A-2
24	967.5	49.1	355	1	US-08-450-393A-5
25	967.5	49.1	355	4	US-08-446-669-5
26	967.5	49.1	355	4	US-09-239-938-1
27	967.5	49.1	355	5	PCT-US95-00476-5

ALIGNMENTS

RESULT 1
US-08-450-393A-2
; Sequence 2, Application US/08450393A
; Patent No. 5707815
; GENERAL INFORMATION:
; APPLICANT: Coughlin, Shaun Charo, Israel
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOTACTRANT RECEPTORS
; NUMBER OF INVENTIONS: 14
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94106-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450, 393A
; FILING DATE: May 25, 1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31-822
; REFERENCE/DOCKET NUMBER: UCAL-237/02US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5165
; TELEX: 415-887-0663
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-450-393A-2

Query Match Similarity Score 1970; DB 1; Length 374;
Best Local Match Score 100.0%; Pred. No. 1.8e-10;
Matches 374; Conservative 0; Indels 0; Gaps 0;

QY 1 MLSTSRSRFIRNTNESGEVVTFDYDAPCHKFVDQIGAQOLLPPYLSSVLFGFVN 60
Db 1 MLSTSRSRFIRNTNESGEVVTFDYDAPCHKFVDQIGAQOLLPPYLSSVLFGFVN 60

Qy 61 MLYVLLINCKKLKCLTDIYLNLAISDLFLITLPLWAHSANENVFGNAMCKLFTGLY 120
 Db 61 MLYVLLINCKKLKCLTDIYLNLAISDLFLITLPLWAHSANENVFGNAMCKLFTGLY 120
 Qy 121 HIGYFGGIFTILITIDRYLAIVHAVALKARTVTFGVVTSVITLVAFAASVPGILIFTK 180
 Db 121 HIGYFGGIFTILITIDRYLAIVHAVALKARTVTFGVVTSVITLVAFAASVPGILIFTK 180
 Qy 181 CQEDSVVYCGPYPPRGWNNEHTIMRNLLQLVPLPLIMIVCYSGIILKTLLRCRNEKKRR 240
 Db 181 CQEDSVVYCGPYPPRGWNNEHTIMRNLLQLVPLPLIMIVCYSGIILKTLLRCRNEKKRR 240
 Qy 241 AYRVFTIMIVYELFWTPVNIVLNTFQEFFGLNSCESTSQLDQATOVTETLGMTHCCI 300
 Db 241 AYRVFTIMIVYELFWTPVNIVLNTFQEFFGLNSCESTSQLDQATOVTETLGMTHCCI 300
 Qy 301 NPITYAFGEKFRSLFHIAIGCRAPLOKPVCGGGPGRPKNVKWTQGILDGRGKGKSI 360
 Db 301 NPITYAFGEKFRSLFHIAIGCRAPLOKPVCGGGPGRPKNVKWTQGILDGRGKGKSI 360
 361 GRAPEASLQDKEGA 374
 Db 361 GRAPEASLQDKEGA 374

RESULT 2
 ; Sequence 2, Application US/08446669-2
 ; Patent No. 6132387
 ; GENERAL INFORMATION:
 ; APPLICANT: Charo, Israel
 ; APPLICANT: Coughlin, Shaun
 ; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
 ; STREET: 5 Palo Alto Square
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94306-2155
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/446,669
 ; FILING DATE: May 25, 1995
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Neeley, Richard
 ; REGISTRATION NUMBER: 30,092
 ; REFERENCE/DOCKET NUMBER: UCAL-237/01US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-843-5000
 ; TELEFAX: 415-857-0563
 ; TELEX: 380816cooleyPA
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 374 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-446-669-2

Query Match 100.0% Score 1970; DB 4; Length 374;
 Best Local Similarity 100.0% Pred. No. 1.8e-50;
 Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSTSRSRFTRNTNESGEVTTFFDYDGA^PCHKFVDVKQIGAQOLLPP^LYSLVIFGFVGN 60
 ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

Db 1 MLSTSRSRFTRNTNESGEVTTFFDYDGA^PCHKFVDVKQIGAQOLLPP^LYSLVIFGFVGN 60
 Qy 61 MLYVLLINCKKLKCLTDIYLNLAISDLFLITLPLWAHSANENVFGNAMCKLFTGLY 120
 Db 61 MLYVLLINCKKLKCLTDIYLNLAISDLFLITLPLWAHSANENVFGNAMCKLFTGLY 120
 Qy 121 HIGYFGGIFTILITIDRYLAIVHAVALKARTVTFGVVTSVITLVAFAASVPGILIFTK 180
 Db 121 HIGYFGGIFTILITIDRYLAIVHAVALKARTVTFGVVTSVITLVAFAASVPGILIFTK 180
 Qy 181 CQEDSVVYCGPYPPRGWNNEHTIMRNLLQLVPLPLIMIVCYSGIILKTLLRCRNEKKRR 240
 Db 181 CQEDSVVYCGPYPPRGWNNEHTIMRNLLQLVPLPLIMIVCYSGIILKTLLRCRNEKKRR 240
 Qy 241 AYRVFTIMIVYELFWTPVNIVLNTFQEFFGLNSCESTSQLDQATOVTETLGMTHCCI 300
 Db 241 AYRVFTIMIVYELFWTPVNIVLNTFQEFFGLNSCESTSQLDQATOVTETLGMTHCCI 300
 Qy 301 NPITYAFGEKFRSLFHIAIGCRAPLOKPVCGGGPGRPKNVKWTQGILDGRGKGKSI 360
 Db 301 NPITYAFGEKFRSLFHIAIGCRAPLOKPVCGGGPGRPKNVKWTQGILDGRGKGKSI 360
 Qy 361 GRAPEASLQDKEGA 374
 Db 361 GRAPEASLQDKEGA 374

RESULT 3
 PCT-US95-00476-2
 ; Sequence 2, Application PC/TUS9500476
 ; GENERAL INFORMATION:
 ; APPLICANT: The Regents of the University of California
 ; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Robbins, Berliner & Carson
 ; STREET: 201 N. Figueroa Street, 5th Floor
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 90012-2628
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/00476
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Berliner, Robert
 ; REGISTRATION NUMBER: 20,121
 ; REFERENCE/DOCKET NUMBER: 5555-291
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 310-977-1001
 ; TELEFAX: 310-977-1003
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 374 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; PCT-US95-00476-2

Query Match 100.0% Score 1970; DB 5; Length 374;
 Best Local Similarity 100.0% Pred. No. 1.8e-150;
 Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSTSRSRFTRNTNESGEVTTFFDYDGA^PCHKFVDVKQIGAQOLLPP^LYSLVIFGFVGN 60
 ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||

RESULT 4
 US-08-466-343D-9
 Sequence 9, Application US/08466343D
 ; Patent No. 6025154
 ; GENERAL INFORMATION:
 ; APPLICANT: LI, YI
 ; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN G-PROTEIN
 ; TITLE OF INVENTION: CHEMOKINE RECEPTOR HDG NR10 (AS AMENDED)
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: STEERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 ; STREET: 1100 NEW YORK AVE., NW, SUITE 600
 ; CITY: WASHINGTON
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/466,343D
 ; FILING DATE: 06 JUN 1995
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: STEFFE, ERIC K.
 ; REGISTRATION NUMBER: 36,698
 ; REFERENCE/DOCKET NUMBER: 1488.1150000/EKS/KLM
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202) 371-2600
 ; TELEFAX: (202) 371-2440
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 344 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

RESULT 5
 US-08-450-393A-4
 ; Sequence 4, Application US/08450393A
 ; Patent No. 5707815
 ; GENERAL INFORMATION:
 ; APPLICANT: Charo, Israel
 ; APPLICANT: Coughlin, Shaun
 ; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
 ; STREET: 5 Palo Alto Square
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94306-2155
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/450,393A
 ; FILING DATE: May 25, 1995
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Cseri, Lucain
 ; REGISTRATION NUMBER: 31,822
 ; REFERENCE/DOCKET NUMBER: UCAL-237/02US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-843-5165
 ; TELEFAX: 415-8857-0663
 ; TELEX: 380816COOLEYPA
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 360 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

Query Match 92.5%; Score 1823; DB 3; Length 344;
 Best Local Similarity 100.0%; Pred. No. 9.6e-139; Indels 0; Gaps 0;
 Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 18 EEVTTFFDYDYGAPCHKFDVKQIGAQQLPPLYSVIFGVGNMLVVLINCKKLKCLT 77

Db 1 MLSTSRSRFIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGAQQLPPLYSVIFGVGN 60
 Qy 61 MEVVLILINCCKLKC LTD IYLNLALISDLLELTIDIAWAHSAAANEWVGNA CKLEFTGLY 120
 Db 61 MEVVLILINCCKLKC LTD IYLNLALISDLLELTIDIAWAHSAAANEWVGNA CKLEFTGLY 120
 Qy 121 HIGYFGSIFFTILLTIDRYLA1TVAHFALKARTVTCGVTSTIWLAVAFASVPG1IFTK 180
 Db 121 HIGYFGSIFFTILLTIDRYLA1TVAHFALKARTVTCGVTSTIWLAVAFASVPG1IFTK 180
 Qy 181 1COKEDSVYVCGPYFPRGWNFTIMRNLLGVLPLIMIVCSGILKTLLRCRNEKKRHR 240
 Db 181 1COKEDSVYVCGPYFPRGWNFTIMRNLLGVLPLIMIVCSGILKTLLRCRNEKKRHR 240
 Qy 241 AVRVIETMIVYFLWTPNIVLNTFQEFFGLSNCESTSOLQATOVTETLGMHCCI 300
 Db 241 AVRVIETMIVYFLWTPNIVLNTFQEFFGLSNCESTSOLQATOVTETLGMHCCI 300
 Qy 301 NPITIAYVGKEKRSLSFLHALGRIAPLKPKVCGGPVYRPGKVNKVUTTGLDGRGKGS 360
 Db 301 NPITIAYVGKEKRSLSFLHALGRIAPLKPKVCGGPVYRPGKVNKVUTTGLDGRGKGS 360
 Qy 361 GRAPEASLQDKEGA 374
 Db 361 GRAPEASLQDKEGA 374

RESULT 5
 US-08-450-393A-4
 ; Sequence 4, Application US/08450393A
 ; Patent No. 5707815
 ; GENERAL INFORMATION:
 ; APPLICANT: Charo, Israel
 ; APPLICANT: Coughlin, Shaun
 ; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
 ; STREET: 5 Palo Alto Square
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94306-2155
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/450,393A
 ; FILING DATE: May 25, 1995
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Cseri, Lucain
 ; REGISTRATION NUMBER: 31,822
 ; REFERENCE/DOCKET NUMBER: UCAL-237/02US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-843-5165
 ; TELEFAX: 415-8857-0663
 ; TELEX: 380816COOLEYPA
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 360 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

Query Match 83.8%; Score 1651.5; DB 1; Length 360;
 Best Local Similarity 95.5%; Pred. No. 5.4e-125; Indels 7; Gaps 3;
 Matches 319; Conservative 3; Mismatches 3; Indels 7; Gaps 3;

Qy 1 MLSTSRSRFIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGAQQLPPLYSVIFGVGN 60
 Db 1 MLSTSRSRFIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGAQQLPPLYSVIFGVGN 60

QY |||||MLVVLLINCKKLKCLTDIYLNLAISDLFLITPLWAHSAAANEWVFGNAMCKLFTGLEY 120
 Db |||||MLVVLLINCKKLKCLTDIYLNLAISDLFLITPLWAHSAAANEWVFGNAMCKLFTGLEY 120
 QY |||||HIGYFGGIFFFILLTIDRYLAIVHAFLAKARIVTFGVVTSVITWLVAVASVPGIIFTIK 180
 Db |||||HIGYFGGIFFFILLTIDRYLAIVHAFLAKARIVTFGVVTSVITWLVAVASVPGIIFTIK 180
 QY |||||COKEDSVVCGPYPFRGVNNFHITMRNLGLVPLIMIVCYSGILKTLLCRNEKKRHR 240
 Db |||||COKEDSVVCGPYPFRGVNNFHITMRNLGLVPLIMIVCYSGILKTLLCRNEKKRHR 240
 QY |||||AVRVIFTIMIVYFLFWTPNIVLNTQEFFGSNCESTSOLIDQATOVTETLGMTHCCI 300
 Db |||||AVRVIFTIMIVYFLFWTPNIVLNTQEFFGSNCESTSOLIDQATOVTETLGMTHCCI 300
 QY |||||NPILYAFGEKER--SLF--HIALG-CRIAPL 327
 Db |||||NPILYAFGEKER--SLF--HIALG-CRIAPL 327
 QY |||||NPILYAFGEKER--SLF--HIALG-CRIAPL 334
 Db |||||NPILYAFGEKER--SLF--HIALG-CRIAPL 334

RESULT 6
 US-08-446-669-4
 Sequence 4, Application US/08446669
 Patent No. 6132987
 GENERAL INFORMATION:
 APPLICANT: Coughlin, Shaun
 TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
 TITLE OF INVENTION: PROTEIN RECEPTORS
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooley Godward Castro Huddleston & Tatum
 STREET: 5 Palo Alto Square
 CITY: Palo Alto
 STATE: California
 COUNTRY: USA
 ZIP: 94306-2155
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/446,669
 FILING DATE: May 25, 1995
 CLASSIFICATION INFORMATION:
 NAME: Neeley, Richard
 REGISTRATION NUMBER: UCAL-237/01US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-843-5000
 TELEFAX: 415-857-0663
 TELEFAX: 380816COOLYPA
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 360 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-08-446-669-4
 Query Match 83.8%; Score 1651.5; DB 4; Length 360;
 Best Local Similarity 95.5%; Pred. No. 5.4e-125;
 Matches 319; Conservative 3; Mismatches 15; Indels 7; Gaps 3;

QY |||||MLSTSRSRFTRNTNESGEEVTFDYGAFCHKFDYKQIGAQLLPPLYSLVIFGFVGN 60
 Db |||||MLSTSRSRFTRNTNESGEEVTFDYGAFCHKFDYKQIGAQLLPPLYSLVIFGFVGN 60
 QY |||||MLVVLLINCKKLKCLTDIYLNLAISDLFLITPLWAHSAAANEWVFGNAMCKLFTGLEY 120

RESULT 7
 US-09-045-583-50
 Sequence 50, Application US/09045583
 Patent No. 6287805
 GENERAL INFORMATION:
 APPLICANT: Graham, Gerard J. et al.
 TITLE OF INVENTION: No. 6287805 Molecules of the G Protein-Coupled
 NUMBER OF SEQUENCES: 56
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD, LLP
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/045,583
 FILING DATE: 20-MAR-98
 CLASSIFICATION: 435
 PRIORITY APPLICATION NUMBER:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Mandragoura, Amy E.
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: MN1-044
 TELEPHONE: (617)227-7400
 TELEFAX: (617)742-4214
 INFORMATION FOR SEQ ID NO: 50:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 360 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-09-045-583-50

Query Match 93.9%; Score 1651.5; DB 4; Length 360;
 Best Local Similarity 95.5%; Pred. No. 5.4e-125;
 Matches 319; Conservative 3; Mismatches 15; Indels 7; Gaps 3;

QY |||||MLSTSRSRFTRNTNESGEEVTFDYGAFCHKFDYKQIGAQLLPPLYSLVIFGFVGN 60
 Db |||||MLSTSRSRFTRNTNESGEEVTFDYGAFCHKFDYKQIGAQLLPPLYSLVIFGFVGN 60
 QY |||||MLVVLLINCKKLKCLTDIYLNLAISDLFLITPLWAHSAAANEWVFGNAMCKLFTGLEY 120

RESULT 8
US-09-534-185-50

; Sequence 50, Application US/09534185
; Patent No. 6403767

; GENERAL INFORMATION:

; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6403767i Molecules of the G Protein-Coupled
; Reptahelical Receptor Superfamily and Uses
; Therefor

; NUMBER OF SEQUENCES: 56

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/534,185
; FILING DATE: 24-Mar-2000
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 09/045,583
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragoras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MNI-044

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)42-4214

; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: Linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; SEQUENCE DESCRIPTION: SEQ ID NO: 50:
; US-09-534-185-50

Qy 61 MLVVLINCKKLKCLTDIYLNLAIISDLFLITLPLWAHSAAANEWVFGNAMCKLFTGLY 120
Db 61 MLVVLINCKKLKCLTDIYLNLAIISDLFLITLPLWAHSAAANEWVGNAMCKLFTGLY 120
Qy 121 HIGYFGGIFFLILITIDRYLAIVHAFALKARTVITGVWSYTIVLVAFAVSPGILFTK 180
Db 121 HIGYFGGIFFLILITIDRYLAIVHAFALKARTVITGVWSYTIVLVAFAVSPGILFTK 180
Qy 181 COKEDSYVCGPXFPRGWNNFHTIMRNGLVPLLMIVCYSGLKTLRORNEKKRHR 240
Db 181 COKEDSYVCGPXFPRGWNNFHTIMRNGLVPLLMIVCYSGLKTLRORNEKKRHR 240
Qy 241 AYRVIIFTMIVYFLEWTPTNIVLLNTTQEFGLSNCESTSOLIDAOATQVTETLGMTHC1 300
Db 241 AYRVIIFTMIVYFLEWTPTNIVLLNTTQEFGLSNCESTSOLIDAOATQVTETLGMTHC1 300
Qy 301 NPIIYAFGEKFR--SLF--HIALG-CRIAPL 327
Db 301 NPIIYAFGEKFRRLSVFRRKHKRCKOCFV 334

RESULT 9
PCT-US95-00476-4

; Sequence 4, Application PC/TUS9500476

; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Robbins, Berliner & Carson
; STREET: 201 N. Figueroa Street, 5th Floor
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90012-2628

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/00476
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berliner, Robert
; REGISTRATION NUMBER: 20,121
; REFERENCE/DOCKET NUMBER: 5555-291
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-977-1001
; TELEFAX: 310-977-1003
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: Linear
; MOLECULE TYPE: protein
; PCT-US95-00476-4

Query Match 83.8%; Score 1651.5; DB 5; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

Qy 1 MLSTSRSRFRTNTNESGEVTTFFDYGAFCHKFDVKQIGAQLLPPPLSVFIFGFVGN 60
Db 1 MLSTSRSRFRTNTNESGEVTTFFDYGAFCHKFDVKQIGAQLLPPPLSVFIFGFVGN 60
Qy 61 MLVVLINCKKLKCLTDIYLNLAIISDLFLITLPLWAHSAAANEWVFGNAMCKLFTGLY 120
Db 61 MLVVLINCKKLKCLTDIYLNLAIISDLFLITLPLWAHSAAANEWVFGNAMCKLFTGLY 120

QY 121 HIGYFGGIFILLTIDRYLAIVHAVFALKARTVFGVVTSVITLVAFAVASVPGILIFTK 180
 Db 121 HIGYFGGIFILLTIDRYLAIVHAVFALKARTVFGVVTISVITLVAFAVASVPGILIFTK 180
 QY 181 CQKEDSVYVGPFPRGWNFHFTIMRNILGLVPLPIMIVCYSGILKTLLRCRNEKKRHR 240
 Db 181 CQKEDSVYVGPFPRGWNFHFTIMRNILGLVPLPIMIVCYSGILKTLLRCRNEKKRHR 240
 QY 241 AVRVFTIMIVYFLFWTPNIVLNTFOEFFGLSNCESTSQLDATQVETLGTMHCCI 300
 Db 241 AVRVFTIMIVYFLFWTPNIVLNTFOEFFGLSNCESTSQLDATQVETLGTMHCCI 300
 QY 301 NPIIYAFGEKFR --SLF --HTALG -CRIAPL 327
 Db 301 NPIIYAFGEKFRYYISVFRKHTXXXFCQCPV 334

RESULT 10
 US-08-833-752-7
 Sequence 7, Application US/08833752
 ;
 GENERAL INFORMATION:
 ; APPLICANT: SAMSON, MICHEL
 ; APPLICANT: PARMENTIER, MARC
 ; APPLICANT: VASSART, GILBERT
 ; APPLICANT: LIBERT, FREDERICK
 ; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
 ; NUMBER OF SEQUENCES: 17
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Knobbe, Martens, Olson & Bear
 ; STREET: 620 Newport Center Drive 16th Floor
 ; CITY: Newport Beach
 ; STATE: CA
 ; COUNTRY: U.S.A.
 ; ZIP: 92660
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/833-752
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Altman, Daniel E.
 ; REGISTRATION NUMBER: 34,115
 ; REFERENCE/DOCKET NUMBER:
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 360 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: No. 6448375e

US-08-833-752-7
 Query Match 83.5%; Score 1645.5; DB 4; Length 360;
 Best Local Similarity 94.9%; Pred. No. 1.6e-124; Indels 7; Gaps 3;
 Matches 317; Conservative 4; Mismatches 6;

QY 1 MLSTSRSRFINTNESGEVTTFFDYGAQCHKFVQIGAQQLPPLSYLFIFGVGN 60
 Db 1 MLSTSRSRFINTNESGEVTTFFDYGAQCHKFVQIGAQQLPPLSYLFIFGVGN 60
 QY 61 MLVVLLINCKLKCLTDIYLNLAISDLLELTPLWAHSANNEWFGNAMCKLFTGLY 120
 Db 61 MLVVLLINCKLKCLTDIYLNLAISDLLELTPLWAHSANNEWFGNAMCKLFTGLY 120
 QY 121 HIGYFGGIFILLTIDRYLAIVHAVFALKARTVFGVVTISVITLVAFAVASVPGILIFTK 180
 Db 121 HIGYFGGIFILLTIDRYLAIVHAVFALKARTVFGVVTISVITLVAFAVASVPGILIFTK 180

QY 181 CQKEDSVYVGPFPRGWNFHFTIMRNILGLVPLPIMIVCYSGILKTLLRCRNEKKRHR 240
 Db 181 CQKEDSVYVGPFPRGWNFHFTIMRNILGLVPLPIMIVCYSGILKTLLRCRNEKKRHR 240
 QY 241 AVRVFTIMIVYFLFWTPNIVLNTFOEFFGLSNCESTSQLDATQVETLGTMHCCI 300
 Db 241 AVRVFTIMIVYFLFWTPNIVLNTFOEFFGLSNCESTSQLDATQVETLGTMHCCI 300
 QY 301 NPIIYAFGEKFR --SLF --HTALG -CRIAPL 327
 Db 301 NPIIYAFGEKFRYYISVFRKHTXXXFCQCPV 334

RESULT 11
 US-09-045-583-51
 ; Sequence 51, Application US/09045583
 ; Patent No. 6287805
 ; GENERAL INFORMATION:
 ; APPLICANT: Graham, Gerard J. et al.
 ; TITLE OF INVENTION: No. 6287805ei Molecules of the G Protein-Coupled
 ; NUMBER OF SEQUENCES: 56
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: LAHIVE & COCKFIELD, LLP
 ; STREET: 28 State Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/045,583
 ; FILING DATE: 20-MAR-98
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Mandragours, Amy E.
 ; REGISTRATION NUMBER: 36,207
 ; REFERENCE/DOCKET NUMBER: MNI-044
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617)227-7400
 ; TELEFAX: (617)742-4214
 ; INFORMATION FOR SEQ ID NO: 51:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 360 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 ; US-09-045-583-51

Query Match 82.0%; Score 1614.5; DB 4; Length 360;
 Best Local Similarity 96.6%; Pred. No. 4.9e-122; Indels 3; Gaps 1;
 Matches 308; Conservative 4; Mismatches 4;

QY 1 MLSRSRSREFRTNTNESGEVTTFFDYGAQCHKFVQIGAQQLPPLSYLFIFGVGN 60
 Db 1 MLSRSRSREFRTNTNESGEVTTFFDYGAQCHKFVQIGAQQLPPLSYLFIFGVGN 60
 QY 61 MLVVLLINCKLKCLTDIYLNLAISDLLELTPLWAHSANNEWFGNAMCKLFTGLY 120
 Db 61 MLVVLLINCKLKCLTDIYLNLAISDLLELTPLWAHSANNEWFGNAMCKLFTGLY 120
 QY 121 HIGYFGGIFILLTIDRYLAIVHAVFALKARTVFGVVTISVITLVAFAVASVPGILIFTK 180
 Db 121 HIGYFGGIFILLTIDRYLAIVHAVFALKARTVFGVVTISVITLVAFAVASVPGILIFTK 180

Query Match 82.0%; Score 1614.5; DB 4; Length 360;
 Best Local Similarity 96.6%; Pred. No. 4.9e-122;
 Matches 308; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

Query 1 MLSRSRSPTRNTESGEVTTFDDYDGAPEKRDVKQIGAQLPPLYSLVFFGGVGN 60
 Db 1 MLSRSRSPTRNTESGEVTTFDDYDGAPEKRDVKQIGAQLPPLYSLVFFGGVGN 60

Query 61 MLVVLILINCKKLAKLTDIYLNLAIISDLFLITLPLWAHSAAANEWFGNAMCKLFTGLY 120
 Db 61 MLVVLILINCKKLAKLTDIYLNLAIISDLFLITLPLWAHSAAANEWFGNAMCKLFTGLY 120

Query 121 HIGYEGGIFFLILLTIDRYLAIIVHAVEALKARTYTFGVVTSVITWLVAFAVSPGIFTK 180
 Db 121 HIGYEGGIFFLILLTIDRYLAIIVHAVEALKARTYTFGVVTSVITWLVAFAVSPGIFTK 180

Db 181 CQEDSVYVCGYFPRGWNNFHTIMRNILGYLPLLIMVICYSGILRLCRNEKKHR 240
 Db 181 COBEDSYTCGYFPRGWNNFHTIMRNILGYLPLLIMVICYSGILRLCRNEKKHR 240

Query 241 AVRVIPTIMIVYFLFWTPYNIVLNTFQEFGLSNCESTSOLDQATQYETTLGMTHC1 300
 Db 241 AVRVIPTIMIVYFLFWTPYNIVLNTFQEFGLSNCESTSOLDQATQYETTLGMTHC1 300

Query 241 AVRVIPTIMIVYFLFWTPYNIVLNTFQEFGLSNCESTRQLDQATQVETLGTMHCC1 300
 Db 241 AVRVIPTIMIVYFLFWTPYNIVLNTFQEFGLSNCESTRQLDQATQVETLGTMHCC1 300

Query 301 NPIIYAFGEKER--SLF 316
 Db 301 NPIIYAFGEKER--SLF 316

Query 301 NPIIYAFGEKFRYLSMF 319
 Db 301 NPIIYAFGEKFRYLSMF 319

RESULT 12
 US-09-534-185-51
 Sequence 51, Application US/09534185
 Patent No. 6403767
 GENERAL INFORMATION:
 APPLICANT: Graham, Gerard J. et al.
 TITLE OF INVENTION: No. 6403767 Molecules of the G protein-Coupled
 Heptahelical Receptor Superfamily and uses
 Therefor

NUMBER OF SEQUENCES: 56
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAIVE & COCKFIELD, LLP
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/534,185
 FILING DATE: 24-Mar-2000
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/045,583
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Mandragoras, Amy E.
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: MNI-044
 TELEPHONE: (617)227-7400
 TELEFAX: (617)742-4214
 INFORMATION FOR SEQ ID NO: 51:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 360 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 SEQUENCE DESCRIPTION: SEQ ID NO: 51:
 US-09-534-185-51

Query Match 80.7%; Score 1589.5; DB 1; Length 347;
 Best Local Similarity 95.3%; Pred. No. 4.8e-120;
 Matches 306; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

Query 14 NSEGEVTTFDYDGAPEKRDVKQIGAQLPPLYSLVFFGGVGNMLVVLILINCKKL 73
 Db 1 NSEGEVTTFDYDGAPEKRDVKQIGAQLPPLYSLVFFGGVGNMLVVLILINCKKL 60

Query 74 KCLTDIYLNLAIISDLFLITLPLWAHSAAANEWFGNAMCKLFTGLYHIGYFGGIPTIL 133
 Db 61 KCLTDIYLNLAIISDLFLITLPLWAHSAAANEWFGNAMCKLFTGLYHIGYFGGIPTIL 120

Query 134 LIDRYLAIIVHAVEALKARTYTFGVVTSVITWLVAFAVSPGIFTK 193
 Db 134 LIDRYLAIIVHAVEALKARTYTFGVVTSVITWLVAFAVSPGIFTK 193

Db 121 LTIDRYLAIVHAYFALKARTVTFGVVTSTVLTWLYAVFASTVPGILIFTKQCQEDSVYVCGPY 180
 Qy 194 FPRQWNNTIMRNLGLVPLLMVICYSGLTLLRCNEKKRRAVFTIMVYF 253
 Db 181 FPRQWNNTIMRNLGLVPLLMVICYSGLTLLRCNEKKRRAVFTIMVYF 240
 Qy 254 LFWTPTNIVLTLNFOEFFGLSNCESTSOLIDQATQVTEFLGMTHCCINPILYAFGEKFR 313
 Db 241 LFWTPTNIVLTLNFOEFFGLSNCESTSOLIDQATQVTEFLGMTHCCINPILYAFGEKFR 300
 Qy 314 ---SLF---HIALG-CRIAPL 327
 Db 301 RYLSVFFRKHKTRFKCOPV 321

RESULT 14
 US-09-517-605-5
 ; Sequence 5, Application US/09517605
 ; Patent No. 6391567
 ; GENERAL INFORMATION:
 ; APPLICANT: Littman, Dan R.
 ; APPLICANT: Kwon, Douglas S.
 ; APPLICANT: van Kooy, Yvette
 ; APPLICANT: Geltenbeck, Theo
 ; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
 ; TITLE OF INVENTION: CELLS
 ; CURRENT APPLICATION NUMBER: US/09/517,605
 ; CURRENT FILING DATE: 2000-03-02
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 5
 ; LENGTH: 352
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-517-605-5

Query Match 62.7%; Score 1236; DB 4; Length 352;
 Best Local Similarity 77.4%; Pred. No. 9.8e-92; Gaps 2;
 Matches 236; Conservative 25; Mismatches 34; Indels 10; Gaps 2;

Qy 25 DYDYGAPCHKFVDKQIGAQOLLPPLSYLVEFGVGNMLVVLLTINCKKLKDYLNL 84
 Db 13 DYDTSECPQKINVQIAARLPLPSYLVTFGVGNMLVVLLINCKRLKSMDDIYLNL 72
 Qy 85 ASDLFLITLPLWAHSAANWFGNAMCKLFGLYHIGYFGGLEFFLTLTIDRYLAIVH 144
 Db 73 ASDLFLITLTVFWAHYAAQDFGNTMCQLLGLYFGFSGLFFITLTDYLAIVH 132
 Qy 145 AVFALKARTVTFGVVTSTVLTWLYAVFASTVPGILIFTKQCQEDSVYVCGPYFP---RGWNN 200
 Db 133 AVFALKARTVTFGVVTSTVLTWLYAVFASTVPGILIFTKQCQEDSVYVCGPYFP---
 Qy 201 FHTIMRNLGLVPLLMVICYSGLTLLRCNEKKRRAVFTIMVYFLEWTBYN 260
 Db 193 FOTLKTVILGLVPLLMVICYSGLTLLRCNEKKRRAVFLIFTIMVYFLEWAPN 252
 Qy 261 IVVLLNTFOEFFGLSNCESTSOLIDQATQVTEFLGMTHCCINPILYAFGEKFRSLF --- 316
 Db 253 IVVLLNTFOEFFGLSNCESTSOLIDQATQVTEFLGMTHCCINPILYAFGEKFRNYLLVFF 312
 Qy 317 ---HIA 319
 Db 313 QKHIA 317

Query Match 62.6%; Score 1234; DB 4; Length 354;
 Best Local Similarity 74.7%; Pred. No. 1.4e-91; Gaps 2;
 Matches 230; Conservative 29; Mismatches 43; Indels 6; Gaps 2;

Qy 17 GEEVTFDDYDG-AUCHKFDVKQIGAQOLLPPLSYLVEFGVGNMLVVLLTINCKKLKDYLNL 74
 Db 5 GSVPTYFYDYGMSACQKINVQIAAQLPLPSYLVTFGVGNMLVVLLINCKRLKSMDDIYLNL 64
 Qy 75 CLTDIYLLNLAISDLFLITLPLWAHSAANWFGNAMCKLFGLYHIGYFGGLEFFLTL 134
 Db 65 SVTDIYLLNLAISDLFLITLPLWAHSAANWFGNAMCKLFGLYHIGYFGGLEFFLTL 124
 Qy 135 TIDRYLAIVHAYFALKARTVTFGVVTSTVLTWLYAVFASTVPGILIFTKQCQEDSVYVCGPYF 194
 Db 125 TIDRYLAIVHAYFALKARTVTFGVVTSTVLTWLYAVFASTVPGILIFTKQCQEDSVYVCGPYF 184
 Qy 195 PRG---WNNHTIMRNLGLVPLLMVICYSGLTLLRCNEKKRRAVFTIMVYFLEWTBYN 250
 Db 185 PHTQYFWKSQTLKAVLSSLPLVMTICYSGLTLLRCNEKKRRAVFLIFTKQCQEDSVYVCGPYF 194
 Qy 251 VYFLTFWTPYNTVILNTFOEFFGLSNCESTSOLIDQATQVTEFLGMTHCCINPILYAFGE 310
 Db 245 VYFLTFWTPYNTVILNTFOEFFGLSNCESTSOLIDQATQVTEFLGMTHCCINPILYAFGE 304
 Qy 311 KFRSLFHI 318
 Db 305 KFRSYLSV 312

Search completed: May 19, 2003, 16:50:01
 Job time : 20.8719 secs

RESULT 15
 US-09-517-605-5
 ; Sequence 2, Application US/08724984A
 ; Patent No. 6388055
 ; GENERAL INFORMATION:
 ; APPLICANT: Derk Bergsma, Mary Brawner, and Usman Shabon
 ; TITLE OF INVENTION: No. 6388055el Mouse Genomic Clone of the CC-